
Sequence Listing was accepted with existing errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Thu Jul 26 18:34:16 EDT 2007

Validated By CRFValidator v 1.0.2

Application No: 09674752 Version No: 2.1

Input Set:

Output Set:

Started: 2007-07-26 18:33:40.355

Finished: 2007-07-26 18:33:40.599

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 244 ms

Total Warnings: 0

Total Errors: 0

No. of SeqIDs Defined: 55

Actual SeqID Count: 55

SEQUENCE LISTING

<110>	Voorberg, Johannes	
<120>	Method For Diagnosis and Treatment of Haemophilia A Patients W An Inhibitor	/ith
<130>	Sequence Nos 1-55 for 294-86 PCT/US/RCEII	
<140> <141>	09/674,752 2000-12-29	
<150>	PCT/NL99/00285	
<151>	1999-05-07	
<150>	EP 98201543.0	
	1998-05-08	
<160>	55	
<170>	PatentIn version 3.3	
<210>	1	
<211>	24	
<212>	DNA	
<213>	Homo sapiens	
<400> cttgtc	1 cacc ttggtgttgc tggg	24
<210>	2	
<211>	21	
<212>	DNA	
<213>	Homo sapiens	
<400>	2	
acgttg	cagg tgtaggtctt c	21
<210>	3	
<211>	23	
<212>	DNA	
<213>	Homo sapiens	
<400>	3	
caggtg	cage tggtgeagte tgg	23
<210>	4	
<211>	23	
<212>	DNA	
<213>	Homo sapiens	
<400>	4	
caggtc	aact taagggagtc tgg	23

<210>	5	
<211>	23	
<212>	DNA	
<213>	Homo sapiens	
(213)	nomo sapiens	
- 100	-	
<400>	5	
gaggtg	cage tggtggagte tgg	23
<210>	6	
<211>	23	
<212>	DNA	
<213>		
\Z13/	Homo sapiens	
<400>	6	
gaggtg	cage tgttgeagte ggg	23
<210>	7	
<211>	23	
<212>	DNA	
<213>		
\213/	Homo sapiens	
<400>	7	
gaggtad	cage tgeageagte tge	23
<210>	8	
<211>	23	
<212>	DNA	
<213>		
\Z13/	Homo sapiens	
<400>	8	
caggtad	cage tgeageagte agg	23
<210>	9	
<211>	36	
<212>	DNA	
<213>	Homo sapiens	
1210	nome paperns	
< 40.05		
<400>	9	
gagtcat	tct cgtgtcgaca cggtgaccag ggtgcc	36
<210>	10	
<211>	36	
<212>	DNA	
	Homo sapiens	
Z100×	10	
<400>	10	2.0
gagtcat	tct cgtgtcgaca cggtgaccat tgtccc	36
<210>	11	

<211> 36

<212>	> DNA	
<213>		
<400>	· 11	
	cattet egtgtegaea eggtgaeeag ggttee	36
gagecai	sactor egegregaea eggregaeeag ggreee	3.0
<21.05	. 10	
<210>		
<211>		
<212>		
<213>	Homo sapiens	
<400>		
gagtcat	cattet egtgtegaea eggtgaeegt ggteee	36
<210>		
<211>		
<212>	DNA	
<213>	Homo sapiens	
<400>	13	
aatccat	catggc ccaggtgcag ctggtgca	28
<210>	14	
<211>	> 28	
<212>	DNA	
<213>	Homo sapiens	
	•	
<400>	→ 14	
	catggc ccaggtcaac ttaaggga	28
	33	2 0
		20
		20
<210>	> 15	20
<210>		20
<211>	28	
<211> <212>	> 28 > DNA	
<211>	> 28 > DNA	
<211> <212> <213>	> 28 > DNA > Homo sapiens	
<211> <212> <213>	DNA Homo sapiens 15	
<211> <212> <213>	> 28 > DNA > Homo sapiens	28
<211> <212> <213>	DNA Homo sapiens 15	
<211> <212> <213> <400> aatccat	> 28 > DNA > Homo sapiens > 15 catgge egaggtgeag etggtgga	
<211> <212> <213> <400> aatccat	DNA Homo sapiens 15 catggc cgaggtgcag ctggtgga	
<211> <212> <213> <400> aatccat <210> <211>	DNA Homo sapiens 15 catgge egaggtgeag etggtgga 16 28	
<211> <212> <213> <400> aatccat <210> <211> <212>	DNA Homo sapiens 15 catgge egaggtgeag etggtgga 16 28 DNA	
<211> <212> <213> <400> aatccat <210> <211>	DNA Homo sapiens 15 catgge egaggtgeag etggtgga 16 28 DNA	
<211> <212> <213> <400> aatccat <210> <211> <212> <213>	DNA Homo sapiens 15 catggc cgaggtgcag ctggtgga 16 28 DNA Homo sapiens	
<211> <212> <213> <400> aatccat <210> <211> <211> <213> <400>	DNA Homo sapiens 15 catgge egaggtgeag etggtgga 16 28 DNA Homo sapiens 16	28
<211> <212> <213> <400> aatccat <210> <211> <211> <213> <400>	DNA Homo sapiens 15 catggc cgaggtgcag ctggtgga 16 28 DNA Homo sapiens	
<211> <212> <213> <400> aatccat <210> <211> <211> <213> <400>	DNA Homo sapiens 15 catgge egaggtgeag etggtgga 16 28 DNA Homo sapiens 16	28
<211> <212> <213> <400> aatccat <210> <211> <212> <213>	DNA Homo sapiens 15 catggc cgaggtgcag ctggtgga 16 28 DNA Homo sapiens 16 catggc cgaggtgcag ctgttgca	28
<211> <212> <213> <400> aatccat <210> <211> <212> <213> <400> aatccat <210>	DNA Homo sapiens 15 catgge egaggtgeag etggtgga 16 28 DNA Homo sapiens 16 catgge egaggtgeag etgttgea 17	28
<211> <212> <213> <400> aatccat <210> <211> <211> <212> <213> <400> aatccat <210> <211>	DNA Homo sapiens 15 catgge egaggtgeag etggtgga 16 28 DNA Homo sapiens 16 catgge egaggtgeag etgttgea 17 28	28
<211> <212> <213> <400> aatccat <210> <211> <212> <213> <400> aatccat <210>	28 DNA Homo sapiens 15 catgge egaggtgeag etggtgga 16 28 DNA Homo sapiens 16 catgge egaggtgeag etgttgea 17 28 DNA	28

390

<211> 28 <212> DNA <213> Homo sapiens

<400> 18

<210> 18

aatccatggc ccaggtacag ctgcagca 28

<210> 19 <211> 390 <212> DNA <213> Homo sapiens

<400> 19

caggtgcagc tggtgcagtc tggggctgag gcgaagaagc ctgggtcctc ggtgaaggtc 60
tcctgcaagg cttctggaga caccttcaac agctttccta tcagttgggt gcgacaggcc 120
cctggacaag ggcttgagtg gatgggaggg atcatcccta tctttggttc aacaaagtac 180
gcacagaagt tccagggcag agtcacgatg accgcggacg gatccacgag tacagcctac 240
atggaactga acagcctgag atctgaggac acggccatat attactgtgc gcgacaacag 300
aacggcggct ggtacgaagg accgttgctt gagccgaggc ctgatgctct tgatatctgg 360

<210> 20 <211> 296 <212> DNA <213> Homo sapiens

ggccaaggga caatggtcac cgtgtcgagt

<400> 20

caggtgcage tggtgcagte tggggctgag gtgaagaage ctgggtccte ggtgaaggte 60

teetgcaagg ettetggagg cacetteage agetatgeta teagetgggt gegacaggee 120

cetggacaag ggettgagtg gatgggaggg atcateceta tetttggtae ageaaactae 180

gcacagaagt teeagggcag agteacgatt acegeggaeg aatecaegag cacageetae 240

atggagetga geageetgag atetgaggae aeggeegtgt attactgtge gagaga 296

<210> 21 <211> 396 <212> DNA

<213> Homo sapiens

caggtgcagc tgttgcagtc tgcaactgag gtgaaaaagc ctggggcctc aatgaaggtc	60
tcctgcatgg cttctggtta cccctttacc agctatgata tcagttgggt gcgacaggcc	120
cctggacaag ggcttgagtg gatgggatgg atcagcattt atagtggtaa cacagactat	180
gcacagaagt tccagggcag agtcaccatg acgacagaca catccaggag aacagcctac	240
atggagetga ggageetgag atetgaegae aeggeegtet attattgtge gagagatggg	300
ggggggggtg cctatgaaga tgtttggagt ggtgagtacc ccgaatacta cgctatggac	360
gtctggggcc aagggaccac ggtcaccgtg tcgagt	396
2210× 22	
<210> 22 <211> 296	
<212> DNA	
<213> Homo sapiens	
<400> 22	
caggttcagc tggtgcagtc tggagctgag gtgaagaagc ctggggcctc agtgaaggtc	60
tcctgcaagg cttctggtta cacctttacc agctatggta tcagctgggt gcgacaggcc	120
coolycaagg creetygeea cacerrace agerarygea reagerygge gegacaggee	120
cctggacaag ggcttgagtg gatgggatgg atcagcgctt acaatggtaa cacaaactat	180
gcacagaagc tocagggcag agtcaccatg accacagaca catccacgag cacagcctac	240
atggagetga ggageetgag atetgaegae aeggeegtgt attaetgtge gagaga	296
acggagetga ggageetgag acetgaegae aeggeegtgt actaetgege gagaga	2,50
<210> 23	
<211> 130	
<212> PRT	
<213> Homo sapiens	
<400> 23	
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Ala Lys Lys Pro Gly Ser	
1 5 10 15	
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Asp Thr Phe Asn Ser Phe	
20 25 30	
Pro Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met	
35 40 45	

Gln Gly Arg Val Thr Met Thr Ala Asp Gly Ser Thr Ser Thr Ala Tyr 65 70 75 80

Gly Gly Ile Ile Pro Ile Phe Gly Ser Thr Lys Tyr Ala Gln Lys Phe

55 60

50

Met Glu Leu Asn Ser Leu Arg Ser Glu Asp Thr Ala Ile Tyr Tyr Cys Ala Arg Gln Gln Asn Gly Gly Trp Tyr Glu Gly Pro Leu Leu Glu Pro 100 105 110 Arg Pro Asp Ala Leu Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val 115 120 125 Ser Ser 130 <210> 24 <211> 98 <212> PRT <213> Homo sapiens <400> 24 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser 5 10 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr 20 25 30 Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met 40 45 Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe

55 60 50

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr 65 70 75

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys 85 90

Ala Arg

<210> 25 <211> 132 <212> PRT <213> Homo sapiens Gln Val Gln Leu Gln Ser Ala Thr Glu Val Lys Lys Pro Gly Ala
1 5 10 15

3 10

Ser Met Lys Val Ser Cys Met Ala Ser Gly Tyr Pro Phe Thr Ser Tyr 20 25 30

Asp Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met 35 40 45

Gly Trp Ile Ser Ile Tyr Ser Gly Asn Thr Asp Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Arg Arg Thr Ala Tyr 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gly Gly Gly Ala Tyr Glu Asp Val Trp Ser Gly Glu 100 $$ 105 $$ 110

Tyr Pro Glu Tyr Tyr Ala Met Asp Val Trp Gly Gln Gly Thr Thr Val 115 120 125

Thr Val Ser Ser 130

<210> 26

<211> 98

<212> PRT

<213> Homo sapiens

<400> 26

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr 65 70 75 80 Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys Ala Arq <210> 27 <211> 98 <212> PRT <213> Homo sapiens <400> 27 Gln Val Gln Leu Gln Ser Ala Thr Glu Val Lys Lys Pro Gly Ala 1 5 10 15 Ser Met Lys Val Ser Cys Met Ala Ser Gly Tyr Pro Phe Thr Ser Tyr 20 25 30 Asp Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Val 35 40 45 Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr His Tyr Ala Gln Lys Phe 55 60 50 Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Arg Arg Thr Ala Tyr 75 70 65 Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys Ala Arg

<210> 28 <211> 98 <212> PRT <213> Homo sapiens <400> 28

Gln Val Gln Leu Gln Ser Ala Ala Glu Val Arg Lys Pro Gly Ala 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Pro Phe Thr Ser Tyr 20 25 30

Asp Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met 35 40 45

Gly Trp Ile Ser Ile Tyr Ser Gly Asn Thr Asp Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Arg Arg Thr Ala Tyr 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg

<210> 29

<211> 21

<212> PRT

<213> Homo sapiens

<400> 29

Gln Gln Asn Gly Gly Trp Tyr Glu Gly Pro Leu Leu Glu Pro Arg Pro 1 5 10 15

Asp Ala Leu Asp Ile 20

<210> 30

<211> 23

<212> PRT

<213> Homo sapiens

<400> 30

Asp Gly Gly Gly Ala Tyr Glu Asp Val Trp Ser Gly Glu Tyr Pro 1 5 10 15

Glu Tyr Tyr Ala Met Asp Val

20 <210> 31 <211> 98 <212> PRT <213> Homo sapiens <400> 31 1 5 10 15

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr 20 25 30

Asp Ile Asn Trp Val Arg Gln Ala Thr Gly Gln Gly Leu Glu Trp Met 35 40

Gly Trp Met Asn Pro Asn Ser Gly Asn Thr Gly Tyr Ala Gln Lys Phe 55

Gln Gly Arg Val Thr Met Thr Arg Asn Thr Ser Ile Ser Thr Ala Tyr 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys 90 85

Ala Arg

<210> 32 <211> 122 <212> PRT

<213> Homo sapiens

<400> 32

Gln Val Gln Leu Leu Gln Tyr Ala Ala Asp Val Lys Lys Pro Gly Ala 5 10

Ser Val Lys Val Ser Cys Thr Ala Ser Gly Tyr Ile Phe Thr Ser Tyr 20 25 30

Asp Ile Asn Trp Val Arg Gln Ala Thr Gly Gln Gly Leu Glu Trp Met 35 40

Gly Trp Met Asn Pro Asn Ser Gly Asn Ala Gly Phe Ala Gln Lys Phe
50 55 60

Lys Gly Arg Leu Thr Leu Thr Arg Asp Thr Ser Thr Ser Thr Ala Tyr 65 70 75 80

Met Glu Leu Arg Asn Leu Glu Ser Glu Asp Thr Ala Val Tyr Tyr Cys 85 90 95

Ala Arg Cys Asp Thr Thr Leu Leu Ile Trp Phe Gly Pro Ala Pro Tyr 100 105 110

Asn Asp Ser Trp Gly Gln Gly Thr Leu Val 115 120

<210> 33

<211> 99

<212> PRT

<213> Homo sapiens

<400> 33

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg 1 $$ 5 $$ 10 $$ 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val 35 40 45

Ser Gly Ile Ser Trp Asn Ser Gly Ser Ile Gly Tyr Ala Asp Ser Val 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Leu Tyr Tyr Cys 85 90 95

Ala Lys Asp

<210> 34 <211> 126

```
<212> PRT
<213> Homo sapiens
<400> 34
Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Lys
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Asp Tyr
     20 25 30
Ala Ile His Trp Val Arg Gln Ala Pro Gly Glu Gly Leu Glu Trp Val
   35 40 45
Ser Gly Val Thr Trp Ser Gly Thr Thr Ile Gly Phe Ala Asp Ser Val
          55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80
Leu Tyr Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Leu Tyr Tyr Cys
        85 90
Ala Leu Pro Tyr Ile Asn Ser Ser Asn Tyr Arg Arg Gly Val Ala Ala
     100 105 110
Phe Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
115 120
<210> 35
<211> 98
<212> PRT
<213> Homo sapiens
<400> 35
Gln Val Gln Leu Val Glu Ser Gly Gly Val Val Gln Pro Gly Arg
```

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val \$35\$ 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val

50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Lys

<210> 36

<211> 120

<212> PRT

<213> Homo sapiens

<400> 36

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Asp Ser Gly Leu Thr Phe Ser Ser Tyr 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Ala Gly Leu Glu Trp Val
35 40 45

Lys Gly Arg Phe Ala Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr 65 70 75 80

Leu Gln Met Asn Ser Leu Thr Ile Glu Asp Thr Ala Val Tyr Tyr Cys 85 90 95

Ala Lys Asp Leu Ile Glu Ser Asn Ile Ala Glu Ala Leu Trp Gly Gln 100 105 110

Gly Thr Leu Val Thr Val Ser Ser 115 120

<210> 37

<211> 98

<212> PRT